

# Health Physics Society's 64<sup>th</sup> Annual Meeting

7-11 July 2019 • Orlando, Florida

**CHP?**  Yes  No  
**RRRPT?**  Yes  No

HPS Member Number: \_\_\_\_\_

Name for badge: (First) \_\_\_\_\_ (Last) \_\_\_\_\_

Affiliation (for badge) (limit to 18 characters and spaces): \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip/Postal Code: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email (for confirmation): \_\_\_\_\_ If Registering-Companion Name: \_\_\_\_\_

Are you presenting?  Yes  No If yes, Abstract No: \_\_\_\_\_

## MEETING REGISTRATION FEES: (Mark Appropriate Box)

- HPS Member (Mon. Reception, Exhibitor Lunches)
- Non-Member\* (Mon. Reception, Exhibitor Lunches)
- Emeritus Member (Mon. Reception, Exhibitor Lunches)
- One Day ONLY  Mon  Tues  Wed  Thurs
- Student (Mon. Reception, Exhibitor Lunches)
- One Day ONLY Student  Mon  Tues  Wed  Thurs
- Companion (Mon. Reception, Breakfast, Exhibitor Lunches)
- Emeritus Companion (Mon. Reception, Breakfast, Exhibitor Lunches)
- HPS Member PEP Lecturer (Mon. Reception, Exhibitor Lunches)
- HPS Member CEL Lecturer (Mon. Reception, Exhibitor Lunches)
- HPS Non-Member CEL Lecturer\* (Mon. Reception, Exhibitor Lunches)
- AAHP Awards Lunch Ticket(s) (Tues.) CHP
- AAHP Awards Lunch Ticket(s) (Tues.) Guest

	Early (Check)	Early (CC)	After 6/5 (Check)	After 6/5 (CC)
HPS Member (Mon. Reception, Exhibitor Lunches)	\$495.00	\$520.00	\$595.00	\$625.00
Non-Member* (Mon. Reception, Exhibitor Lunches)	\$645.00	\$678.00	\$745.00	\$783.00
Emeritus Member (Mon. Reception, Exhibitor Lunches)	\$248.00	\$261.00	\$298.00	\$313.00
One Day ONLY <input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed <input type="checkbox"/> Thurs	\$280.00	\$294.00	\$280.00	\$294.00
Student (Mon. Reception, Exhibitor Lunches)	\$70.00	\$74.00	\$70.00	\$74.00
One Day ONLY Student <input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed <input type="checkbox"/> Thurs	\$40.00	\$42.00	\$40.00	\$42.00
Companion (Mon. Reception, Breakfast, Exhibitor Lunches)	\$110.00	\$116.00	\$110.00	\$116.00
Emeritus Companion (Mon. Reception, Breakfast, Exhibitor Lunches)	\$55.00	\$58.00	\$55.00	\$58.00
HPS Member PEP Lecturer (Mon. Reception, Exhibitor Lunches)	No Fee	No Fee	No Fee	No Fee
HPS Member CEL Lecturer (Mon. Reception, Exhibitor Lunches)	\$245.00	\$258.00	\$345.00	\$363.00
HPS Non-Member CEL Lecturer* (Mon. Reception, Exhibitor Lunches)	\$395.00	\$415.00	\$495.00	\$533.00
AAHP Awards Lunch Ticket(s) (Tues.) CHP	\$10.00	\$11.00	\$10.00	\$11.00
AAHP Awards Lunch Ticket(s) (Tues.) Guest	\$15.00	\$16.00	\$15.00	\$16.00

\* Includes Complimentary 2019 Associate Membership – FIRST TIME MEMBERS ONLY – You will need to join at [hps.org/join](https://hps.org/join) to submit your information and mailing address in order to take advantage of this offer. If you have questions, email Laurie Mullins at [lmullins@burkinc.com](mailto:lmullins@burkinc.com).

Would you like your name included on the Attendee List?  Yes  No

If you agree, your name, address and email information will be provided to all HPS Exhibitors after the meeting.

## SOCIAL PROGRAM

New this year! Children's Conference Shirt (Preregistration Only)

Shirt Size:  S  M  L

# of Shirts \_\_\_\_\_ X \$15 (Check) # of Shirts \_\_\_\_\_ X \$16 (CC) \$ \_\_\_\_\_

Pub Crawl (Wed, 7/10, 18:30)

Pub Crawl - Shirt Size:  S  M  L  XL  XXL

# of Tickets \_\_\_\_\_ X \$25 (Check) # of Tickets \_\_\_\_\_ X \$27 (CC) \$ \_\_\_\_\_

Your housing while in Orlando, FL: \_\_\_\_\_

**DISABILITIES:** The Annual Meeting is accessible to persons with disabilities.

Please specify assistance required and a HPS representative will contact you. \_\_\_\_\_

**PAYMENT INFORMATION** – Government Requisitions are accepted for registration, however Purchase Orders are NOT accepted for PEP, AAHP, Social Registration. HPS TAX ID # 04-6050367

**Check Payment:** Health Physics Society, 950 Herndon Parkway, Suite 450  
Herndon, VA 20170

**Cardholder's Information:**  VISA  MasterCard  American Express  Discover

Card Number: \_\_\_\_\_

Exp. Date: \_\_\_\_\_ CV2: \_\_\_\_\_

Billing Address: \_\_\_\_\_

Cardholder Name: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Signature: \_\_\_\_\_

Email Address for receipt: \_\_\_\_\_

Registration Section Total \$ \_\_\_\_\_

Social Program Total \$ \_\_\_\_\_

AAHP/PEP Total (From Other Form) \$ \_\_\_\_\_

TOTAL FEES ENCLOSED \$ \_\_\_\_\_

**PREREGISTRATION DEADLINE 5 JUNE 2019**

If FAXing registration form, (703) 790-2672  
please do not mail the original.

Please see AAHP/PEP Registration form on next page.

**AAHP COURSES**

**Saturday, 7/6**

	<b>(Check)</b>	<b>(CC)</b>
<input type="checkbox"/> AAHP-1 Radiation Risk Assessment ( <i>Walker, Dolislager</i> ), 08:00 – 17:00	\$395.00	\$415.00
<input type="checkbox"/> AAHP-2 2019 Radiological Operations Support Specialist (ROSS) Continuing Education Training ( <i>Buddemeier</i> ), 08:00 – 17:00	\$395.00	\$415.00
<input type="checkbox"/> AAHP-3 Medical Health Physics ( <i>Dolislager</i> ), 08:00 – 17:00	\$395.00	\$415.00

**PROFESSIONAL ENRICHMENT PROGRAM**

**Sunday, 7/7 08:00 – 10:00**

- 1-A DOE-STD-1153-2019 A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota (*McLellan*)
- 1-B Basic Training for the NRRPT exam – Fundamentals (*Voss*)
- 1-C Fundamentals of Reproducible Research (*LaBone, Chalmers, Brackett*)
- 1-D Quick and dirty radiological dose assessment following a rad/nuke emergency (*Karam*)
- 1-E Integration of Health Physics into Emergency Response (*Sugarman*)
- 1-F Design of MARSSIM and MARSAME Surveys (*Stuenkel*)
- 1-G Radiation Protection Consideration during Construction, Commissioning and Production of Mo-99 with a 40 kW 35 MeV Electron Linac (*Chowdhury*)
- 1-H RDD Guidance (*Buddemeier*)

Sunday, 08:00 – 10:00  
 \_\_\_/\_\_\_/\_\_\_ = (\$99.00 Check)  
 1st 2nd 3rd (\$104 CC)  
 Yes, stand by list

Sunday, 10:30 – 12:30  
 \_\_\_/\_\_\_/\_\_\_ = (\$99.00 Check)  
 1st 2nd 3rd (\$104 CC)  
 Yes, stand by list

**Sunday, 7/7 10:30 – 12:30**

- 2-A RESRAD-BIOTA Code for the Evaluation of Radiological Doses to Flora and Fauna (*Yu, Kamboj, Cheng, LePoire*)
- 2-B Basic Training for the NRRPT exam – Practical Applications (*Voss*)
- 2-C Thorium Molten Salt Reactors (TMSR): Key Radiation Protection Challenges (*Sun*)
- 2-D Practical Computational Modeling for Health Physics (1) – Introduction to Monte Carlo Simulations (*Dewji*)
- 2-E Alpha Spectroscopy for the Health Physicist (*Maddigan*)
- 2-F Evaluation of MARSSIM and MARSAME Surveys (*Stuenkel*)
- 2-G Dosimetry methods for second cancer risk estimation following radiotherapy (*Mille*)
- 2-H Status of ANSI N42 RPI & HSI standards (*Cox*)
- 2-I Evolution of Occupational Radiological Protection (*Melo*)

Sunday, 14:00 – 16:00  
 \_\_\_/\_\_\_/\_\_\_ = (\$99.00 Check)  
 1st 2nd 3rd (\$104 CC)  
 Yes, stand by list

Monday, 12:15 – 14:15  
 \_\_\_/\_\_\_/\_\_\_ = (\$99.00 Check)  
 1st 2nd 3rd (\$104 CC)  
 Yes, stand by list

**Sunday, 7/7 14:00 – 16:00**

- 3-A What do Industrial HPs work on? (*Bray*)
- 3-B Basic Training for the NRRPT exam – Review of the applicable CFRs (*Voss*)
- 3-C What Neurosciences Can Tell Us about Radiation Safety Decisions (*Johnson*)
- 3-D Practical Computational Modeling for Health Physics (2) - Intermediate Monte Carlo Modeling with Anthropomorphic Phantoms (*EKalinowski, Dewji*)
- 3-E Gamma Spectroscopy for the Health Physicist (*Maddigan*)
- 3-F Technical Basis and Operational Experience for Clearance of Personal Property From SLAC Accelerator Facilities (*Liu, Ford, Allan, Rokni*)
- 3-G Federal Radiological Response Teams (*Groves*)
- 3-H Neutrons: Discovery, Detection, Applications and Health Physics (*Chapman*)
- 3-I Radiological Safety Challenges Associated with Operating Non-Medical X-Ray Devices (*Tarantino*)

Tuesday, 12:15 – 14:15  
 \_\_\_/\_\_\_/\_\_\_ = (\$99.00 Check)  
 1st 2nd 3rd (\$104 CC)  
 Yes, stand by list

Wednesday, 12:15 – 14:15  
 \_\_\_/\_\_\_/\_\_\_ = (\$99.00 Check)  
 1st 2nd 3rd (\$104 CC)  
 Yes, stand by list

**Monday, 7/8 12:15 – 14:15**

- M-1 A Radiation Protection Program Logic Model: Inputs, Outcomes and Benchmarking Opportunities and Strategies for Keeping Your Radiation Safety Program on Course in a Sea of Constant Change (*Gutierrez, Emery*)
- M-2 CAP88-PC Version 4.1 Update (*Littleton, Wood*)
- M-3 Harmony in Concepts and Units for Internal Dose Calculations for Nuclear Medicine Applications or for Protection of Radiation Workers (*Stabin*)
- M-4 How to Choose the Correct Portable Radiation Detection Instrument for Your Needs (*Kenoyer*)
- M-5 Considerations for Implementation of NCRP 179, Guidance for Emergency Response Dosimetry (*Salame-Alfie, Chapman*)

**Tuesday, 7/9 12:15 – 14:15**

- T-1 HEU to LEU conversion and the Production of Mo-99 without the use of HEU (*Fairobert, Chapman*)
- T-2 Where Did This Come From? Lessons Learned from High-Routine Bioassay Investigations (*Rosenberg*)
- T-3 An overview and the lessons learned from a response to a radiological event involving potentially significant internal radiation doses from Americium-241 (*Mejias, Dewey*)
- T-4 Basic Physics for Radiation Detection (*Van Cleef*)
- T-5 Considering Uncertainty and Risk in Public Protection Decisions (*Cochran*)

AAHP Total \$ \_\_\_\_\_

PEP Total \$ \_\_\_\_\_

**AAHP/PEP Total \$ \_\_\_\_\_**

(Transfer these totals to previous page)

**Wednesday, 7/10 12:15 – 14:15**

- W-1 NDA Systems used for the qualification of TRU waste to WIPP (*Chapman*)
- W-2 Fluoroscopic System Evaluation and Radiation Safety Considerations (*Borrás*)
- W-3 A Health Physics Perspective on Prevention Through Design - Modernization of a World-Class Radiation Physics Facility (*Mejias*)
- W-4 Radiation in Flight (*Shonka*)
- W-5 Certification Options for Health Physicists (*King, Miller*)

Please check the box to confirm you have read and understand the Cancellation/Substitution Policies

**Cancellation/Substitution Policy:** Substitutions of meeting participants may be made at any time without penalty. All conference and tour cancellations must be in writing and must reach the HPS Office by **5 June** to receive a refund. All refunds will be issued after the meeting minus a **20% processing fee**. Refunds will not be issued to no-shows.